

LUMINOUS DEVICE AND DRIVING METHOD THEREFOR

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Applicant(s): SEMICONDUCTOR ENERGY LAB +
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Abstract of JP 2002169511 (A)

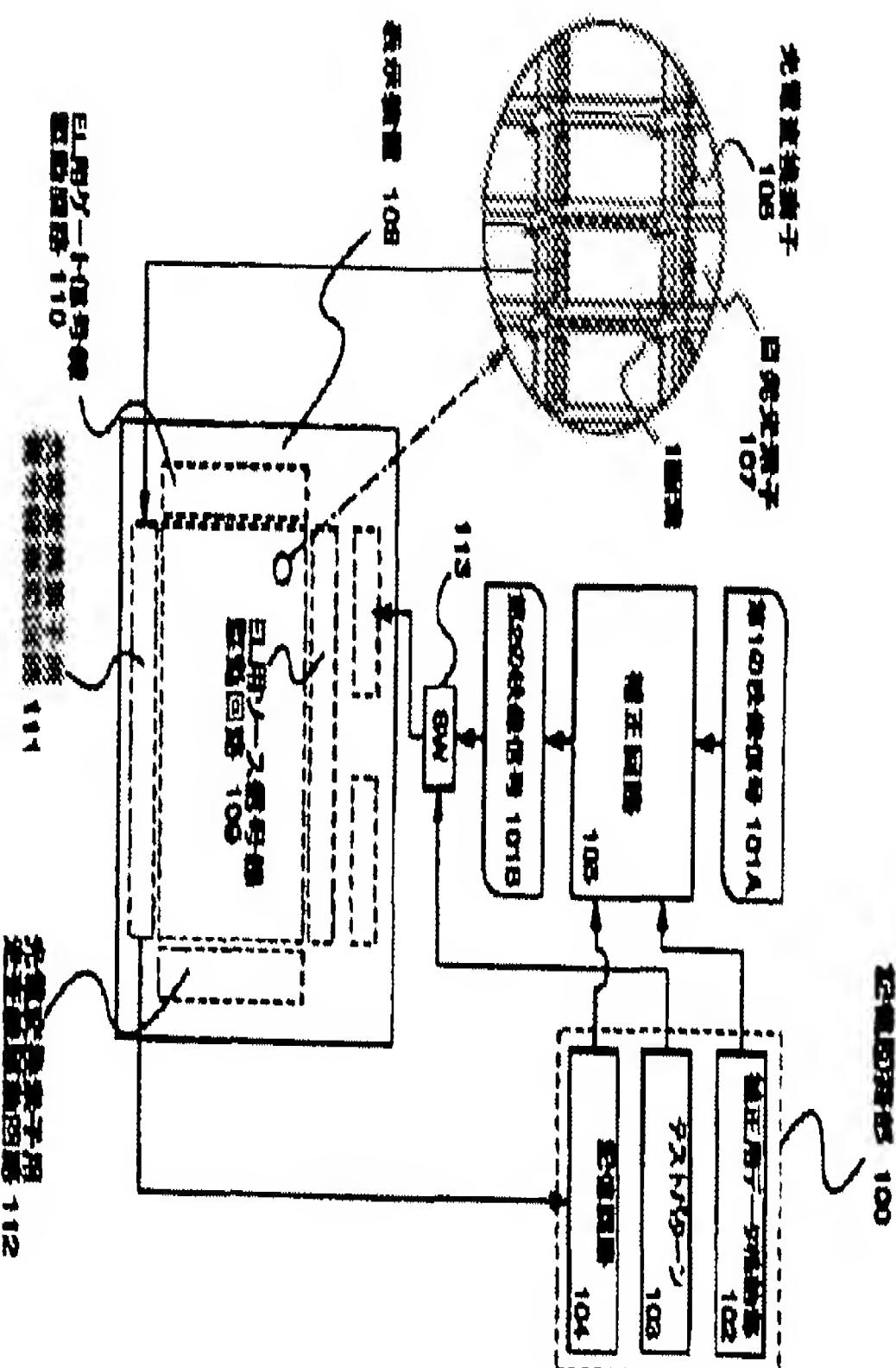
PROBLEM TO BE SOLVED: To provide a luminous device which has a function of correcting an decrease in luminance of luminous elements in a pixel part and is able to display a uniform screen without uneven luminance. **SOLUTION:** When a power source is switched on, the luminous device displays a specific test pattern, and detects the luminance by a photoelectric transducing element 106 arranged on each pixel and stores it in a storage circuit 104. Following it, a correction circuit 195 corrects a 1st video signal 101A according to the deficiency from the standard luminance (luminance of a normal luminous element at the same gradation stored beforehand), and obtains a 2nd video signal 101B. A display 108 displays a video using the 2nd video signal 101B.

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ABSTRACT : PROBLEM TO BE SOLVED: To provide a luminous device which has a function of correcting an decrease in luminance of luminous elements in a pixel part and is able to display a uniform screen without uneven luminance.

SOLUTION: When a power source is switched on, the luminous device displays a specific test pattern, and detects the luminance by a photoelectric transducing element 106 arranged on each pixel and stores it in a storage circuit 104. Following it, a correction circuit 105 corrects a 1st video signal 101A according to the deficiency from the standard luminance (luminance of a normal luminous element at the same gradation stored beforehand), and obtains a 2nd video signal 101B. A display 108 displays a video using the 2nd video signal 101B.

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